

June 23, 2006



U.S. Department  
of Transportation

400 Seventh Street, S.W.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 9024  
(SIXTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of certain Division 2.1 and 2.2 materials in a non-DOT Specification portable tanks. This special permit provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
  - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.315(a) in that non-DOT specification packaging is authorized.
5. BASIS: This special permit is based on the application of Eurotainer SAS dated June 29, 2004, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
1-Chloro-1, 1-difluoroethane or Refrigerant gas, R 142b.	2.1	UN2517	N/A
Chlorodifluoromethane or Refrigerant gas, R 22	2.2	UN1018	N/A
Chloropetafluoroethane or Refrigerant gas, R 115	2.2	UN1020	N/A
Dichlorodifluoromethane or Refrigerant gas, R 12	2.2	UN1028	N/A
1-2-Dichloro-1, 1, 2, 2-Tetrafluoroethane or Refrigerant gas, R 114	2.2	UN1958	N/A
Chlorodifluoromethane and chloropentafuloroethane mixture or Refrigerant gas, R 502 with fixed boiling point with approximately 49 percent chlorodifluoromethane	2.2	UN1973	N/A
Chlorodifluorobromomethane or Refrigerant gas, R 12B1	2.2	UN1974	N/A
1,1, 1, 2-Tetrafloroethane or Refrigerant gas, R 134a	2.2	UN3159	N/A

And any other flammable gases specifically identified to and acknowledged in writing by the OHMSPA prior to the first shipment.

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Prescribed packagings are non-DOT specification portable tanks, mounted in ISO frames, designed and constructed in accordance with Fauvet-Rail

drawings CO 167313 dated January 31, 1983, CO 167296 Rev. A dated January 26, 1983, and list of drawings CO 167322, technical specifications and calculations on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA), and in compliance with the following:

- (1) Code--Complies with DOT Specification 51 except the tanks are not ASME Code stamped; IMO Type 5.
  - (2) Insulation -- None. Tanks may be equipped with an optional sun shield.
  - (3) Water Capacity (U.S. Gallons) -- 4,240.
  - (4) Material -- French steel standard NF A 36 207, designation A550 FP 2 Type II (Carbon Steel), Yield strength - 56,566 psi; Tensile strength - 82,383 psi.
  - (5) Tank Size (inches)
 

	(outside dia.)	X (length)	X (thickness)
78.74		224.80	0.6535
			(min. after forming)
- Head Thickness -- 0.5945 (min. after forming)  
 Weld Joint Efficiency -- 1.0  
 Corrosion Allowance -- 0.0  
 Number of Baffles -- 3
- (6) Design Pressure (PSIG) - 336.7  
Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.
  - (7) Test Pressure, Minimum (PSIG) - 507.6
  - (8) Opening -- One(1), inspection opening on the front head; one(1), 17.7 inch diameter manhole and one(1), safety relief device pad on top; one(1), liquid phase outlet and one(1), gas phase outlet on the bottom.  
Note: Each bottom outlet valve must be provided with a shear section that meets the requirements of § 178.337-12.
  - (9) Tank surface area (square feet) -- 410.

- (10) Safety Relief Devices -- Two (2), 2.5 inch diameter spring loaded safety relief valves outboard of and in series with one (1), 3.0 inch diameter rupture disc all set at 336.7 psig. Total relief device capacity is 1,373,035 SCFH.
- (11) G-Loadings: Vertical down 2; Vertical up 2; Longitudinal 2; and Transverse 2.
- (12) Maximum Gross Weight (pounds) -- 61,730.
- (13) Maximum Commodity Weight (pounds) -- 43,872
- (14) Tare Weight (pounds) -- 17,858
- (15) Design Specific Gravity -- 1.24
- (16) Design Temperature (°F) -- 122

b. TESTING -

(1) Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

(2) Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; and (ii) retested and reinspected once every five (5) years in accordance with § 180.605(g) as prescribed for DOT Specification 51 portable tanks.

c. OPERATIONAL CONTROLS -

(1) Each portable tank must be plainly and durably marked on both sides near the middle, in letters and number at least two inches high on a contrasting background, "DOT-SP 9024".

(2) No product may be shipped that has venting requirements exceeding 1,373,035 SCFH, or has a specific gravity greater than 1.55. The venting required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) pamphlet S-1.2.

(3) The tank must be filled in accordance with the provisions of § 173.315.

(4) DOT-SP 9024 must replace the "DOT-51 specification" marking and be stamped on the metal manufacturer's data plate on the line which reads "D.O.T. Specification No.".

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modifications or changes are made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. Packagings permanently marked 'DOT-E 9024', prior to October 1, 2007 may continue to be used under this special permit for the remaining service life of the packaging or until the special permit is no longer valid. Packagings marked on or after October 1, 2007 must be marked 'DOT-SP 9024'.

d. Shipping papers displaying 'DOT-E 9024' may continue to be used until October 1, 2007, provided the special permit remains valid.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS:

a. A current copy of this special permit must be carried aboard each cargo vessel used to transport packages covered by this special permit.

b. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Association.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

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- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- O Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)- 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term 'exemption' to 'special permit' and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS:

a. The holder of this special permit, as identified in paragraph 1 above, must contact the OHMEA immediately after any of the tanks covered by this special permit are sold to another party.

b. Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Robert A. McGuire  
Associate Administrator  
for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous  
Materials Safety, Pipeline and Hazardous Materials Safety  
Administration, Department of Transportation, Washington, D.C.  
20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the  
Hazardous Materials Safety Homepage at  
[http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm)  
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PO: AM